



JOHN ENGLER, Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY

HOLLISTER BUILDING, PO BOX 30473, LANSING MI 48909-7973

RUSSELL J. HARDING, Director

May 10, 1996

Mr. Valdas V. Adamkus, R-19J
Administrator, Region 5
U.S. Environmental Protection Agency
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

ATTENTION: Acquisition and Assistance Branch (MCG-10J)

Dear Mr. Adamkus:

Enclosed you will find one original and two copies of our grant application for an amendment to the Cooperative Agreement V995258-01 to add three sites and increase support agency funding for Potentially Responsible Party Oversight work on 12 other federal lead sites. A total of \$261,500 in federal funding is requested which will allow us to continue to provide the U.S. Environmental Protection Agency with management assistance of these projects. We are also requesting an extension of the project and budget period for these 12 sites through September 30, 1998.

If you have questions relating to the programmatic aspects of this application, please contact Mr. David Kline, Environmental Response Division, Michigan Department of Environmental Quality (MDEQ), at 517-373-8354. Financial questions should be addressed to Mr. Timothy Trasky, Administrative Services Division, Michigan Department of Natural Resources (MDNR), at 517-373-1752.

We look forward to working with you on this project.

Sincerely,

Gary R. Hughes
Deputy Director
517-241-7394

Enclosures

cc: Mr. Timothy Trasky, MDNR
Ms. Joann Dye, MDNR
Mr. Robert Nowinski, MDEQ
Mr. Ardon Toland, MDEQ
Mr. David Kline, MDEQ

US EPA RECORDS CENTER REGION 5



470891

APPLICATION FOR FEDERAL ASSISTANCE

OMB Approval No. 0348-0043

1. TYPE OF SUBMISSION: Application <input type="checkbox"/> Construction <input type="checkbox"/> Pre-Application <input checked="" type="checkbox"/> Non-Construction <input type="checkbox"/> Non-Construction		2. DATE SUBMITTED	Applicant Identifier
3. DATE RECEIVED BY STATE		State Application Identifier	
4. DATE RECEIVED BY FEDERAL AGENCY		Federal Identifier	

1. APPLICANT INFORMATION Legal Name Michigan Department of Environmental Quality Address (give city, county, state, and zip code) Ingham County P.O. Box 30028 Lansing, Michigan 48909		Organizational Unit Environmental Response Division Name and telephone number of the person to be contacted on matters involving this application (give area code) David Kline (programmatic) 517-373-8354 Timothy Trasky (financial) 517-373-1752
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6. EMPLOYER IDENTIFICATION NUMBER (EIN): <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 3 8 — 6 0 0 0 1 3 4 </div>	7. TYPE OF APPLICANT: (enter appropriate letter in box) A <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> A. State B. County C. Municipal D. Township E. Interstate F. Intermunicipal G. Special District </div> <div style="width: 48%;"> H. Independent School Dist. I. State Controlled Institution of Higher Learning J. Private University K. Indian Tribe L. Individual M. Profit Organization N. Other (Specify) _____ </div> </div>
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8. TYPE OF APPLICATION: <input type="checkbox"/> New <input type="checkbox"/> Continuation <input checked="" type="checkbox"/> Revision If Revision, enter appropriate letter(s) in box(es): A C A. Increase Award B. Decrease Award C. Increase Duration D. Decrease Duration Other (specify) _____	9. NAME OF FEDERAL AGENCY: U.S. Environmental Protection Agency
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10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER: <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 6 6 — 8 0 2 </div> TITLE Superfund	11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT: MSCA V995258-01: Add and fund three sites and increase funding for twelve other sites for support agency PRP oversight work.
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12. AREAS AFFECTED BY PROJECT (cities, counties, states, etc.)			
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12. PROPOSED PROJECT Start Date: 09/15/91 Ending Date: 09/30/98		14. CONGRESSIONAL DISTRICTS OF: a. Applicant: Statewide b. Project: Statewide	
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13. ESTIMATED FUNDING: <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:20%;">a. Federal</td> <td style="width:10%;">\$</td> <td style="width:20%;">261,500</td> <td style="width:10%;">.00</td> </tr> <tr> <td>b. Applicant</td> <td>\$</td> <td></td> <td>.00</td> </tr> <tr> <td>c. State</td> <td>\$</td> <td></td> <td>.00</td> </tr> <tr> <td>d. Local</td> <td>\$</td> <td></td> <td>.00</td> </tr> <tr> <td>e. Other</td> <td>\$</td> <td></td> <td>.00</td> </tr> <tr> <td>f. Program Income</td> <td>\$</td> <td></td> <td>.00</td> </tr> <tr> <td>g. TOTAL</td> <td>\$</td> <td>261,500</td> <td>.00</td> </tr> </table>	a. Federal	\$	261,500	.00	b. Applicant	\$.00	c. State	\$.00	d. Local	\$.00	e. Other	\$.00	f. Program Income	\$.00	g. TOTAL	\$	261,500	.00	16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS? a. YES THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON DATE _____ b. NO <input type="checkbox"/> PROGRAM IS NOT COVERED BY E.O. 12372 <input type="checkbox"/> OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW
a. Federal	\$	261,500	.00																										
b. Applicant	\$.00																										
c. State	\$.00																										
d. Local	\$.00																										
e. Other	\$.00																										
f. Program Income	\$.00																										
g. TOTAL	\$	261,500	.00																										

17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT. THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED		
a. Typed Name of Authorized Representative Gary R. Hughes	b. Title Deputy Director	c. Telephone number 517-241-7394
d. Signature of Authorized Representative 	e. Date Signed 5/14/96	

Previous editions NOT usable

Standard Form 124 MAY 4-85.
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OVERVIEW

The purpose of this application is to add and fund three sites (Albion-Sheridan Township, H. Brown Company and Mason County Landfill) and to increase funding for twelve other sites as listed below under this lump sum Multi-Site Cooperative Agreement (MSCA) for Potentially Responsible Party (PRP) Oversight support at federal-lead sites. The Michigan Department of Environmental Quality (MDEQ) will provide the U.S. Environmental Protection Agency (EPA) with technical management assistance and community relations support for PRP Oversight related tasks. Total funding requested is \$261,500.

Albion-Sheridan Township (AN)	\$25,000	
Auto Ion (C4)	\$10,000	
Bendix Hydraulics (AS)	\$20,000	
Berlin & Farro (41)	\$15,000	
Clare Municipal Well Field(55)	\$10,000	
Electrovoice (E8)	\$20,000	
G & H Landfill (70)	\$20,000	
H. Brown Company (1A)	\$40,000	
K. L. Avenue Landfill (37)	\$20,000	
Kysor of Cadillac (2W)	\$10,000	
Mason County Landfill (E3)	\$ 1,500	
Michigan Disposal Service (Q2)	\$20,000	
Motor Wheel Disposal Site (S5)	\$20,000	
Northernair Plating (83)	\$10,000	
Thermo-Chem (W1)	\$20,000	
	=====	
	\$261,500	TOTAL

Also, we would like to request an extension of the project and budget period for the above listed sites through September 30, 1998.

This package is arranged with a comprehensive budget page for the V995258-01 MSCA first, followed by the site-specific narrative and site-specific task information.

PROGRAM NARRATIVE STATEMENT

ALBION-SHERIDAN TOWNSHIP - CALHOUN COUNTY, MICHIGAN

BACKGROUND:

The Albion-Sheridan Township Landfill is located in the southeast quarter of Section 36, Sheridan Township. It is approximately 30 acres in size and is situated within one mile of the city of Albion. General refuse and industrial wastes were disposed of at the landfill during its operation, 1966 to 1981. Approximately 6,000 cubic yards of metal hydroxide and carbonate sludge were approved for disposal in the early 1970s and were used to cover the landfill. A large quantity of drummed waste is alleged to have been disposed of at the site.

Inorganic chemical contaminants have seeped into the shallow aquifer beneath the site. Nickel (1,000 mg/kg), lead (280 mg/kg) and cyanide (2,100 mg/kg) were found in soil samples, and chlorides and nitrites/nitrates have been found in water samples associated with the site. Operations at the site ceased in 1981. The landfill was not properly closed in accordance with Part 115 of the Natural Resources and Environmental Protection Act (NREPA), 1994 PA 451, as amended (formerly known as the Solid Waste Management Act, 1978 PA 641, as amended). The landfill is covered with native soil and refuse and does not have a liner or leachate collection system.

ACTIONS TO DATE:

In March 1986, the EPA Field Investigation Team conducted a site investigation. The investigation documented levels of contamination at the site and provided the data necessary to score and eventually nominate the site for the National Priorities List (NPL).

In June 1990, under the supervision of the EPA, the PRPs conducted a removal action at the site in which approximately 50 drums of waste were removed from the surface of the fill area.

In 1992, the EPA and the Michigan Department of Natural Resources (MDNR) began the Remedial Investigation/Feasibility Study (RI/FS) process with a series of meetings to establish the focus and strategy of the RI. On-site fieldwork began in August 1992 and was completed in late December 1992. This phase included installation of monitor wells, soil and groundwater sampling, geophysical surveys, installation of a security fence and site mapping. Some additional monitoring was completed in spring 1993. Draft reports were released in June 1993.

In 1994 the EPA completed the RI/FS reports for the site. Using state funds, the MDNR conducted test pitting to determine the extent and contents of the buried drums on site. Drums containing solvents were uncovered in one area of the landfill. The EPA has agreed to excavate these drums as part of the final

ALBION-SHERIDAN TOWNSHIP, continued

ACTIONS TO DATE (continued):

remedy. Also in 1994, the EPA issued a proposed plan for the final Remedial Action (RA) at the site.

In January 1996, a Unilateral Administrative Order (UAO) was signed for the site. The PRPs have agreed to: 1) removal and off-site treatment and disposal of drums which contain hazardous and liquid wastes from test pit area #9 and other drums encountered during grading of the landfill surface; 2) construction of a solid waste landfill cover (cap) which makes use of a flexible membrane liner over the entire landfill mass; 3) installation of an active landfill gas collection system; including flaring to treat the off-gas from the landfill, unless the EPA approves passive venting following design studies; 4) monitoring of groundwater to ensure effectiveness of the RA in lowering the arsenic concentration in groundwater through natural oxidation; and 5) use of institutional controls on landfill property to limit both land and groundwater use and on adjacent property to limit only groundwater use until the cleanup standard is attained.

SCOPE OF WORK:

The MDEQ is requesting \$25,000 to oversee PRP remedial activities which begin the Remedial Design (RD) phase and lead the project into the RA phase.

This work will include activities associated with the RD and the RA implementation. These activities will include, but will not be limited to, the review of design documents, field oversight, and community relations activities. The funds requested will be primarily used for personnel salary and wages, fringe benefits and indirect costs. There may be some minor costs associated with the "other" category to cover audit rates, travel costs, copying and/or mailings.

ALBION-SHERIDAN TOWNSHIP, continued

APPLICATION FOR FEDERAL ASSISTANCE	V995258-01
TASK BUDGET	ALBION-SHERIDAN TOWNSHIP
FY 96 Q2	PRP OVERSIGHT (P)

TASK	DESCRIPTION
=====	=====
A.01	Assistance in oversight of on-site activities
A.02	Review and comment on reports and documents
A.03	Attendance at technical meetings
A.05	Periodic/final inspection during RA
A.06	Trial runs/start-up of major equipment
A.07	Review/evaluate/comment on-site treatment process
A.08	Oversee pre-design activities
A.11	Provide sampling/analytical/engineering services
B.01	Provide community relations support
B.02	Response to inquiries
B.04	Review of news releases & legal notices
B.06	Prepare/maintain mailing list
B.07	Establish/maintain Information Repository
C.01	Coordinate state file searches for PRPs with the EPA
C.09	Liaison between the EPA and state programs
D.01	File searches/reviews
D.02	Preparation of quarterly progress reports
D.03	Preparation of CA and MSCA applications
D.04	Mgmt/maintenance of files & Administrative Record
	=====
	CURRENT APPROVED BUDGET \$ 0
	CHANGE REQUESTED \$25,000
	=====
	BUDGET TOTAL \$25,000

PROGRAM NARRATIVE STATEMENT

KYSOR OF CADILLAC - WEXFORD COUNTY, MICHIGAN

BACKGROUND:

The Cadillac industrial park encompasses approximately one square mile along the northern boundary of the city of Cadillac, Wexford County, Michigan. The Kysor facility, located on Wright Street on the southern edge of the industrial park, is a large active manufacturer of truck parts. Use of solvent cleaner and degreasers is common at this facility. In response to a complaint that Kysor was dumping paint thinners and other manufacturing wastes behind its plant, the MDNR conducted inspections on December 26, 1979, and January 2, 1980. These inspections confirmed the allegation in the complaint.

In January 1981, a residential well was found to be contaminated with VOCs. Subsequent sampling revealed contamination in several other residential wells. The area consists of beach sand deposits, allowing for rapid contaminant transport. All residential wells are directly downgradient of Kysor.

ACTIONS TO DATE:

A series of borings and wells were installed at the Kysor facility by Kysor as part of their hydrogeological studies in 1980 and 1983. A total of 24 borings with monitoring wells were completed. These wells monitor both the shallow and intermediate aquifers.

In 1981, Kysor conducted a partial remediation of the contaminated soils on its own property at its former disposal area. Excavation depth averaged approximately 6 feet in two primary removal areas. Approximately 700 cubic yards of soil were removed; MDNR observers noted strong odors remaining in the completed excavation pit. Samples taken by the MDNR indicated contaminants remaining in soils. The excavation was backfilled with clean material.

Addressing the groundwater contamination was deferred until the Cadillac area study was completed so the entire groundwater problem could be dealt with at the same time. The study is complete. The EPA settlement negotiations have been undertaken.

The FS on groundwater contaminants is tied to the Northernnaire FS and was submitted for agency review in January 1989. A ROD for Northernnaire was signed for source control OU1 and OU2 on September 29, 1989. The OU1 relates to contamination in the soils and sewer sediments and is being conducted by the MDNR. The OU2 relates to contamination in the groundwater aquifers and is being conducted by the PRP under federal lead. The Kysor site was placed on the NPL on October 4, 1989.

KYSOR OF CADILLAC, continued

ACTIONS TO DATE (continued):

The EPA issued a UAO for RD of remedies for the Northernaire/Kysor sites under Section 106 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) on May 17, 1990. The UAO required that an RD Work Plan be prepared and submitted to the EPA.

A Draft RD Work Plan, dated August 3, 1990, was prepared by Fishbeck, Thompson, Carr & Huber. The MDNR reviewed and submitted comments. The Final RD Work Plan is dated October 19, 1990. Comments were submitted to the EPA by the MDNR on January 8, 1991. During October 1991, the MDNR conducted a groundwater study on existing wells at the request of the EPA.

On January 24, 1992, the MDNR submitted to the EPA comments on the Additional Studies Document. The MDNR also submitted comments to the EPA on the RD and the 30% RD on July 23, 1992, and January 15, 1993, respectively. In September 1992, the MDNR conducted another groundwater study using state money and submitted the results to the EPA for review. The MDNR has informed the EPA in all the comments and data submittals that the design was inadequate because it does not address all the known contamination discussed in the ROD and delineated by the current data. In March 1994, the EPA issued an ESD for the site that expanded the groundwater plume to be treated. In 1995, a revised treatment design was completed, and the EPA issued two administrative orders to implement the design and to clean up an additional area of soil contamination.

SCOPE OF WORK:

This funding request of \$10,000 is needed to assist the EPA with the continuing PRP oversight during construction of the groundwater treatment systems and soils RAs. This is the second request for funding (the first was for \$15,000) for the RA and, therefore, this funding request is well within the EPA fiscal cap. With this funding, the MDEQ will continue to provide the EPA with technical and community relations assistance. The MDEQ will be acting as liaison between the EPA and the state programs (i.e. Air Quality and Surface Water Quality Division programs). The MDEQ will be providing limited oversight during construction and reviewing all changes in design documents that become necessary. The MDEQ will also be providing the groundwater modeling services necessary to determine if the groundwater treatment system is performing as predicted. For other tasks that the MDEQ will perform under this grant, please consult the attached task budget.

KYSOR OF CADILLAC, continued

APPLICATION FOR FEDERAL ASSISTANCE
TASK BUDGET
FY 96 Q2

V995258-01
KYSOR OF CADILLAC
PRP OVERSIGHT (P)

TASK	DESCRIPTION
=====	=====
A.01	Assistance in oversight of on-site activities
A.02	Review and comment on reports and documents
A.03	Attendance at technical meetings
A.04	Assistance in review of O & M plans/manuals
A.05	Periodic/final inspection during RA
A.06	Trial runs - start-up of major equipment
A.07	Review/evaluate/comment on-site treatment process
A.08	Oversee pre-design activities
A.12	Provide computer modeling services
B.01	Provide community relations support
B.02	Respond to inquiries
B.04	Review of news releases & legal notices
C.02	Prepare cost recovery documentation
C.03	Provide support for the EPA cost recovery actions
C.04	Technical assistance during negotiations
C.09	Liaison between the EPA and state programs
D.02	Preparation of quarterly reports
D.03	Preparation of CA and MSCA applications

	=====
CURRENT APPROVED BUDGET	\$86,000
CHANGE REQUESTED	\$10,000
	=====
BUDGET TOTAL	\$96,000

PROGRAM NARRATIVE STATEMENT

NORTHERNAIRE PLATING - WEXFORD COUNTY, MICHIGAN

BACKGROUND:

The Cadillac industrial park encompasses approximately one square mile along the northern boundary of the city of Cadillac, Wexford County, Michigan. Northernnaire Plating is an inactive electroplating facility located in the industrial park. The plant operated from 1971 to 1981, providing custom chromium and nickel plating finishes to automobiles and other metal parts. Improper waste handling and faulty sewer systems are believed responsible for releasing toxic compounds (including hexavalent chromium, cadmium and cyanide) to the surrounding soils. Materials originally left on site included tanks and vats of plating sludge and liquid plating solution and drums containing chrome and cyanide wastes. As a result of leaching through soils, hexavalent chromium was detected in private wells downgradient of Northernnaire in 1978.

ACTIONS TO DATE:

In 1978, the MDNR ordered Northernnaire to conduct hydrogeologic studies of the problem. In 1979, Northernnaire submitted a plan for the requested study, but later stated no funds were available for the investigation. A 1981 MDNR inspection of the site found the facility closed and apparently out of business. Further inquiries revealed the Northernnaire's assets had been purchased by Top Locker Enterprises of Florida, which had also ceased operations. The site was included on the NPL in July 1982. Emergency response measures were conducted by the EPA and the MDNR in 1983. All vats, drums and tanks along with their contents and a process sewer line were removed.

The RI work began in 1984 and was completed in 1986. Soil borings were taken and 19 groundwater monitoring wells were installed. The RI was a state-lead, federally-funded project. The RI field activities were concluded in spring 1986. Addressing the groundwater contamination was deferred until the Cadillac area study was completed so that the entire groundwater problem could be dealt with at the same time. The study is complete and joint state/EPA settlement negotiations have been undertaken.

The RD for the source control OU for Northernnaire soils was initiated in fall 1985 and was completed in 1987. Excavation of contaminated soils was completed in November 1988. The FS on groundwater contaminants is tied to the Kysor FS and was submitted for agency review in January 1989. A ROD was signed for source control OU1 and OU2 on September 29, 1989. The OU1 relates to contamination in the soils and sewer sediments was

NORTHERNAIRE PLATING, continued

ACTIONS TO DATE (continued):

conducted by the MDNR. The OU2 relates to contamination in the groundwater aquifers and is being conducted by the PRP under federal lead. The EPA issued a UAO for RD of remedies for the Northernnaire/Kysor sites under Section 106 of the Comprehensive Environmental Response, Compensation and Liability Act on May 17, 1990. The UAO required that an RD Work Plan be prepared and submitted to the EPA. Joint EPA/MDNR settlement negotiations concerning RA started with Kysor, Inc., Four Winns Co., and Meyer, Inc., in December 1989.

During October 1991, the MDNR conducted a groundwater study on existing wells at the request of the EPA to further determine the extent of contamination and the commingling of plumes. The results of this sampling were submitted to the EPA for review. On January 24, 1992, the MDNR submitted to the EPA comments on the Additional Studies Document. The MDNR has also submitted to the EPA comments on the RD and the 30% RD on July 23, 1992, and January 15, 1993, respectively. Using state funds in September 1992, the MDNR conducted another groundwater study to further determine the extent of contamination and the commingling of plumes. These results were submitted to the EPA for review. The MDNR has informed the EPA in all the comments and data submittals that the design was inadequate because it did not address all the known contamination discussed in the ROD and delineated by the studies conducted by the MDNR in October 1991 and September 1992.

In January 1994, FTCH submitted the a draft of the Pre-final 95% RD. The MDNR submitted comments to the EPA which resulted in a second draft of the Pre-final 95% RD in April 1994. In May 1994, FTCH submitted a revised draft of the April 1994 Pre-final 95% RD. The MDNR provided comments on the April and May design drafts in August 1994. The MDNR and the EPA informed FTCH that the RD did not adequately address the contaminated groundwater plumes. As a result, at the EPA's request, the MDNR developed a groundwater model and presented it to FTCH in September 1994. In March 1994, the EPA issued an ESD for the site that expanded the groundwater plume to be remediated. In 1995, a revised treatment design was completed, and the EPA issued two UAOs to implement the design and to clean up an additional area of soil contamination at Leeson Avenue.

NORTHERNAIRE PLATING, continued

SCOPE OF WORK:

This funding request of \$10,000 is needed to assist the EPA with the continuing PRP oversight during construction of the groundwater treatment systems and soils RAs. This is the second request for funding (the first was for \$15,000) for the RA. Therefore, this request is well within the EPA fiscal cap. With this funding, the MDEQ will continue to provide the EPA with technical and community relations assistance. The MDEQ will be acting as liaison between the EPA and the state programs (i.e. Air Quality and Surface Water Quality programs). The MDEQ will be providing limited oversight during construction and reviewing all changes in design documents that become necessary. The MDEQ will also be providing the groundwater modeling services necessary to determine if the groundwater treatment system is performing as predicted. For other tasks that the MDEQ will perform under this grant, please consult the attached task budget.

APPLICATION FOR FEDERAL ASSISTANCE
TASK BUDGET
FY 96 Q2

V995258-01
NORTHERNAIRE PLATING
PRP OVERSIGHT (P)

TASK	DESCRIPTION	
=====	=====	
1.03	Assist in routine RP communications & negotiations	
1.04	Review of project reports and documents	
1.05	Assistance in obtaining site access	
1.06	Assistance in oversight of on-site activities	
1.12	Liaison between the EPA and state programs	
2.03	Mailing lists	
2.05	Community updates	
2.06A	Community meetings support	
2.07	Progress reports (Newsletters)	
2.08	Respond to inquiries	
2.09	News releases	
2.11	Special information sessions	
		=====
	CURRENT APPROVED BUDGET	\$45,000
	CHANGE REQUESTED	\$10,000
		=====
	BUDGET TOTAL	\$55,000